

## Liver regulatory element

-1983 AAGCTATTTT TTTTCGATAG TCTACAGAAC AAACCATCGG TATACAAATGA CTTGCCCTTCCCTATCC TGCCCTGTTT  
PDX1/ISL1(1)  
-1903 CCCCTATTTT CCTTGTAAAG CCTTTAAATG TCACITTTAAG CTGTATAGAA GTGTCTTGAA GAATATCTAG TCTAATATTA  
PDX1/ISL1(2)  
-1823 TTGACTGTCA TCATGGCAA GATAAATAA ATCAGTTATT AAAACTATTA TGATTAGAAA TGTGCTGAAA CAATCTGCTC  
-1743 TCCGCTTTTG AGAATTGAA CAACTTTTG AGGGGGGCTA ATAAATTAA GGGGTAAAT AATTCTGATT GCAAAAAAAA  
HFH(1) HFH(2)  
-1663 TGATGTCTGC AAAACTGTTG CAAATTTT TGTGTTG ATTTTATTTT CCAATTTTA ATTTAATAAA ATACAACCTA  
HNF1- $\alpha$  HNF3 $\beta$   
-1583 ATCTGTTTGT TTAAATTCAG CCTAATAAA TTGTTTACAG CCACCTAACG TAAAAAATT GAGTAAATCC AAGGAATCAT

REPLACEMENT Figure 11

-1510  
(SEQ ID NO:1)



Inventor: Jen-Leih WU et al.  
Title Transgenic Fish Germline Expression Drive by Liver Fatty  
Acid Binding Protein (L-FABP) Gene Promoter and  
Applications Thereof  
Attorney Docket No.: 33151-188802